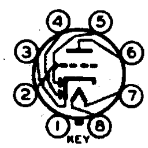
6SQ7, 6SQ7-GT/G
DUPLEX-DIODE HIGH-MU TRIODE

Heater	Coated Unipotential Cathode	
Voltage	6.3	a-c or d-c volts
Current	0.3	amp.

	6SQ7	6SQ7-GT/G	
Direct Interelectrode Cap.	▲	●	
Triode Unit:			
Grid to Plate	1.6	1.8	μμf
Grid to Cathode	3.2	4.2	μμf
Plate to Cathode	3.0	3.4	μμf
Maximum Overall Length	2-5/8"	3-5/16"	
Maximum Seated Height	2-1/16"	2-3/4"	
Maximum Diameter	1-5/16"	1-5/16"	
Bulb	Metal Shell, MT-8	T-9	
Base	Small Wafer Octal 8-Pin	Small Wafer Octal 8-Pin, Sleeve	
Basing Designation	8Q	GT-8Q	

Pin 1 { 6SQ7, Shell; 6SQ7-GT/G, Base Sleeve }
Pin 2 - Triode Grid
Pin 3 - Cathode


BOTTOM VIEW

Pin 4 - Diode Plate #2
Pin 5 - Diode Plate #1
Pin 6 - Triode Plate
Pin 7 - Heater
Pin 8 - Heater

Mounting Position: Any

Maximum Ratings Are Design-Center Values

TRIODE UNIT

Plate Voltage	300 max.	volts
D-C Heater-Cathode Potential	100 max.	volts

Characteristics - Class A_1 Amplifier:

Heater	6.3	6.3	volts
Plate	100	250	volts
Grid	-1	-2	volts
Amp. Fact.	100	100	
Plate Res.	110000	91000	ohms
Transcond.	900	1100	μmhos
Plate Cur.	0.4	0.9	ma.

Typical Operation—Resistance-Coupled Amplifier:
Same as Type 75 in RESISTANCE-COUPLED AMPLIFIER CHART.

DIODE UNITS - Two

Consideration of these units is given under Type 85. Circuits will be similar to those shown for Type 55 with fixed bias. Diode biasing of the triode unit of the 6SQ7 or 6SQ7-GT/G is not suitable. Diode curves under Type 6B7 apply to the 6SQ7 and 6SQ7-GT/G.

▲ With shell connected to cathode. Values are approximate.
● With no external shield. Values are approximate.

The curve under Type 75 also applies to the 6SQ7 and the 6SQ7-GT/G.

◄—Indicates a change.

DEC. 1, 1943 DATA

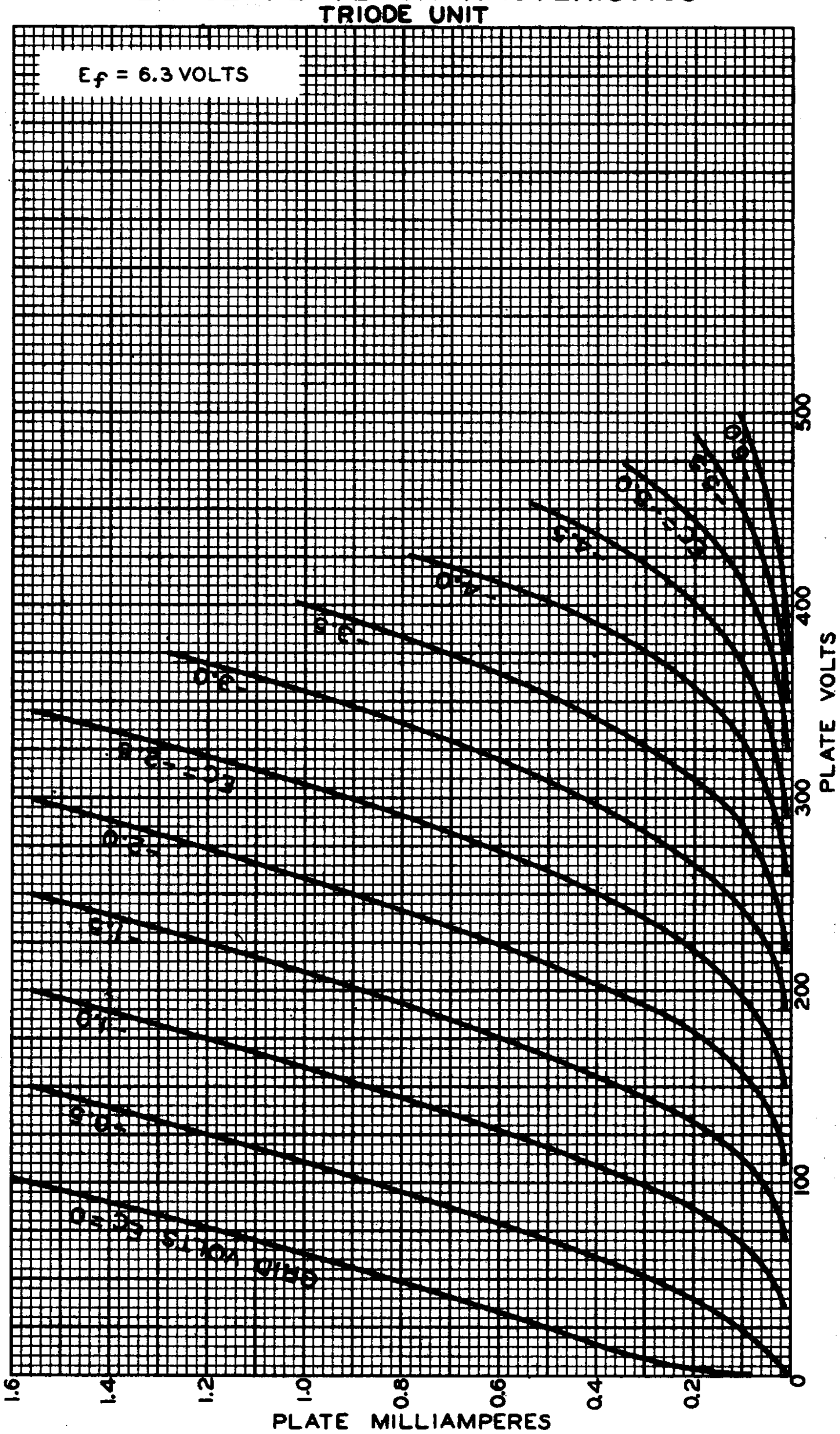
RCA VICTOR DIVISION
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

RCA

6SQ7

AVERAGE PLATE CHARACTERISTICS

TRIODE UNIT

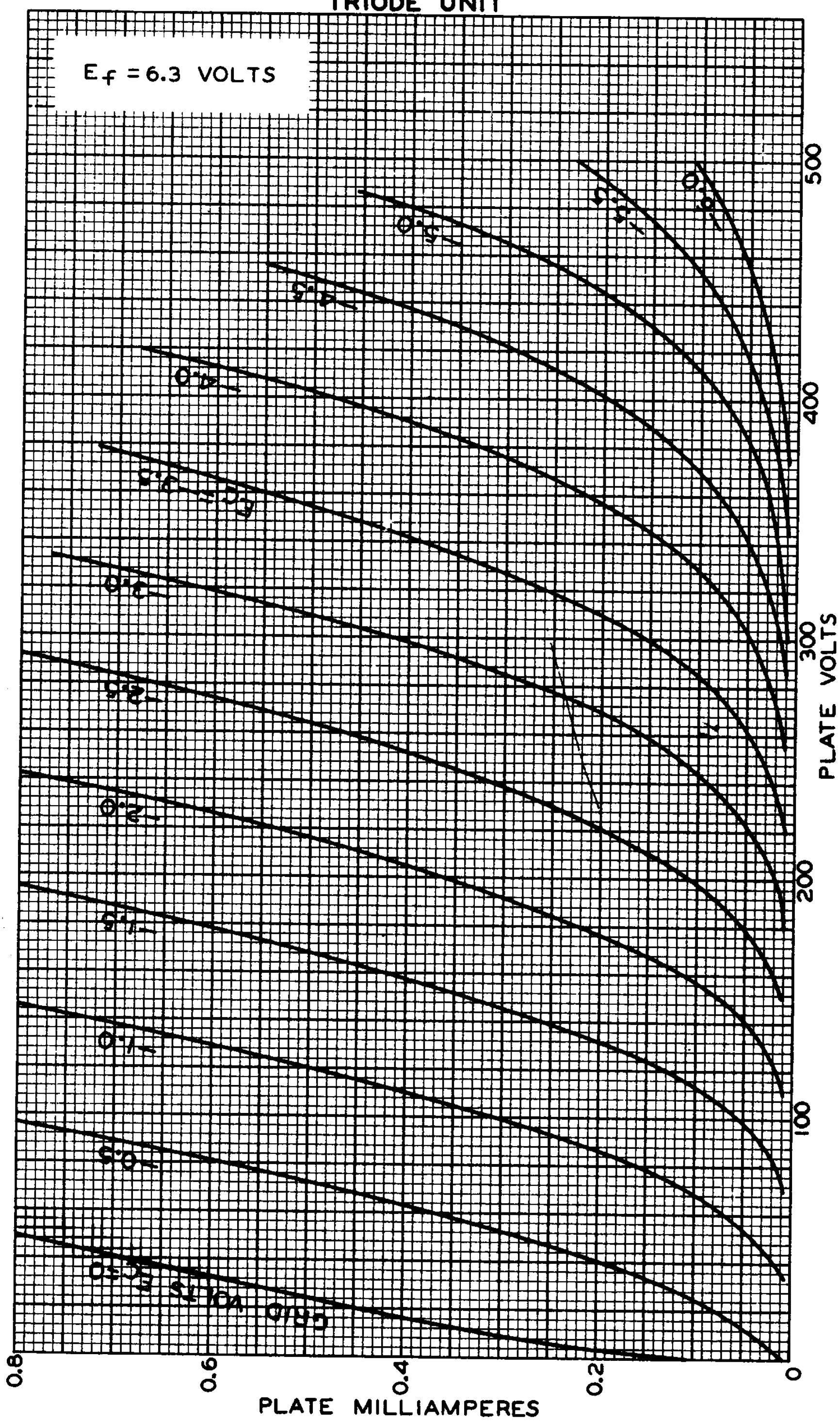


DEC. 14, 1943 | RCA VICTOR DIVISION | 92CM-4975R2

RADIO CORPORATION OF AMERICA HARRISON, NEW JERSEY

6SQ7

6SQ7
AVERAGE PLATE CHARACTERISTICS
TRIODE UNIT



AUG. 13, 1941

RCA RADIOTRON DIVISION
RCA MANUFACTURING COMPANY, INC.

92C-6310